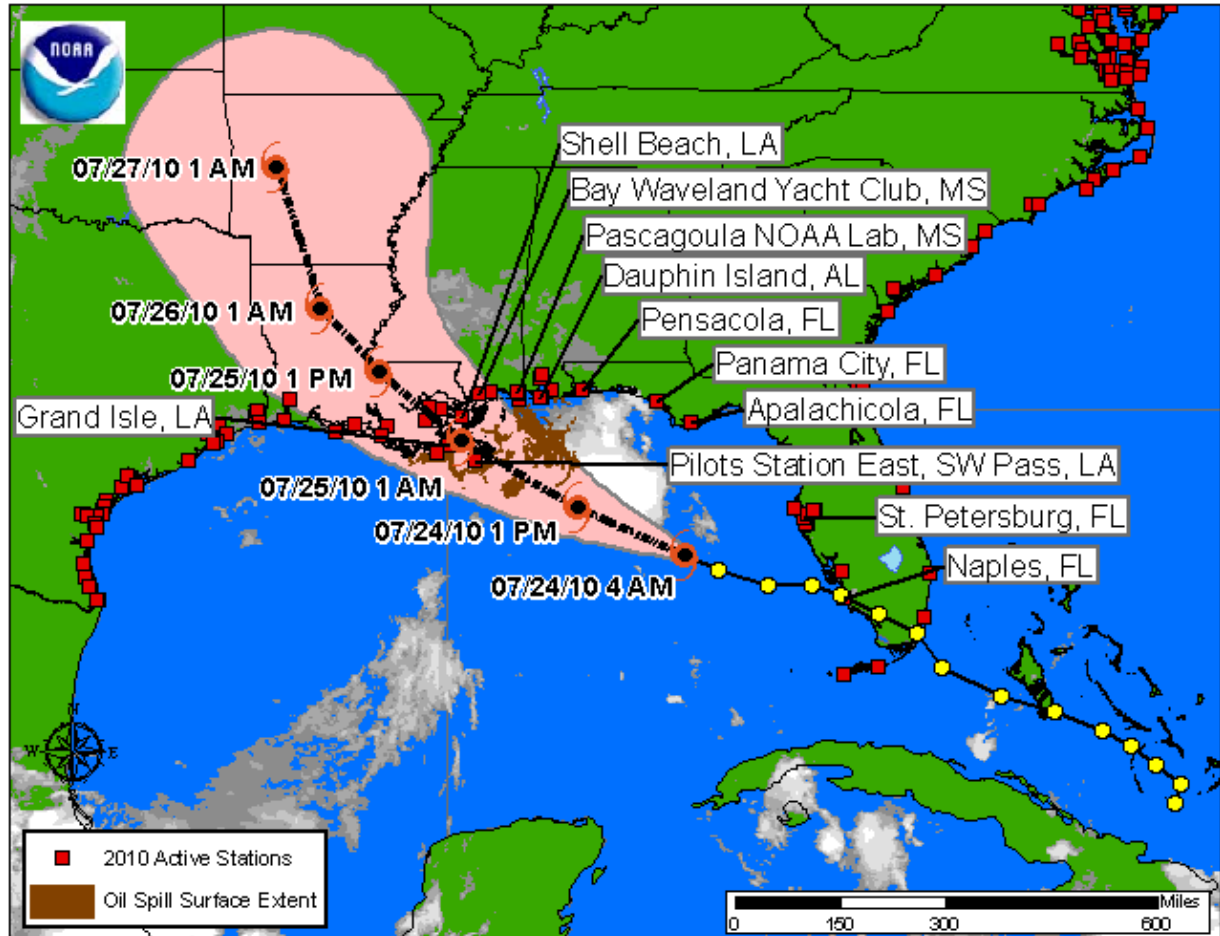




Tropical Depression BONNIE QuickLook
Posted: 05:00 CDT 07/24/2010

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 07/24/2010 05:00 CDT, water levels are slightly elevated from Grand Isle, LA to Dauphin Island, AL and range between 0.4 and 0.7 feet above predictions. Water levels along the Florida panhandle are at or near predicted. Water levels at St. Petersburg, FL and Naples, FL remain slightly elevated.

Wind speeds are generally ranging from 5 to 15 kts. Barometric pressure is falling slightly across the northern Gulf of Mexico.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Pensacola, FL: Next predicted high tides are 1.76 ft (0.54 m) at 07/24/2010 10:19 CDT and 1.70 ft (0.52 m) at 07/25/2010 10:58 CDT.

Dauphin Island, AL: Next predicted high tides are 1.56 ft (0.48 m) at 07/24/2010 09:47 CDT and 1.49 ft (0.45 m) at 07/25/2010 10:28 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.87 ft (0.57 m) at 07/24/2010 09:22 CDT and 1.78 ft (0.54 m) at 07/25/2010 10:00 CDT.

Bay Waveland, MS: Next predicted high tides are 2.06 ft (0.63 m) at 07/24/2010 11:07 CDT and 2.04 ft (0.62 m) at 07/25/2010 11:58 CDT.

Shell Beach, LA: Next predicted high tides are 1.59 ft (0.48 m) at 07/24/2010 13:06 CDT and 1.52 ft (0.46 m) at 07/25/2010 14:00 CDT.

Pilots Station East, LA: Next predicted high tides are 1.55 ft (0.47 m) at 07/24/2010 08:26 CDT and 1.49 ft (0.45 m) at 07/25/2010 09:01 CDT.

Grand Isle, LA: Next predicted high tides are 1.36 ft (0.41 m) at 07/24/2010 09:19 CDT and 1.30 ft (0.40 m) at 07/25/2010 09:59 CDT.

Panama City, FL: Next predicted high tides are 1.77 ft (0.54 m) at 07/24/2010 09:31 CDT and 1.72 ft (0.52 m) at 07/25/2010 10:14 CDT.

Apalachicola, FL: Next predicted high tides are 1.77 ft (0.54 m) at 07/24/2010 13:13 EDT and 1.47 ft (0.45 m) at 07/25/2010 05:15 EDT.

St. Petersburg, FL: Next predicted high tides are 2.66 ft (0.81 m) at 07/24/2010 13:06 EDT and 1.52 ft (0.46 m) at 07/25/2010 04:17 EDT.

Naples, FL: Next predicted high tides are 3.23 ft (0.98 m) at 07/24/2010 11:36 EDT and 2.25 ft (0.68 m) at 07/25/2010 01:21 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION BONNIE ADVISORY NUMBER 8

400 AM CDT SAT JUL 24 2010

...BONNIE CONTINUES WEST-NORTHWESTWARD...STILL A TROPICAL DEPRESSION...

WATCHES AND WARNINGS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

*** DESTIN FLORIDA TO MORGAN CITY LOUISIANA...INCLUDING LAKE PONTCHARTRAIN**

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 400 AM CDT THE CENTER OF TROPICAL DEPRESSION BONNIE WAS LOCATED ABOUT 285 MI ESE OF THE MOUTH OF THE MISSISSIPPI RIVER AND ABOUT 185 MI OF APALACHICOLA FLORIDA THE DEPRESSION IS MOVING TOWARD THE WEST-NORTHWEST NEAR 17 MPH. A GRADUAL DECREASE IN FORWARD SPEED IS EXPECTED TODAY WITH LITTLE CHANGE IN THE DIRECTION OF MOTION. ON THIS TRACK...THE CENTER OF BONNIE IS FORECAST TO MOVE OVER THE EASTERN GULF OF MEXICO TODAY AND APPROACH THE NORTHERN GULF COAST TONIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 35 MPH WITH HIGHER GUSTS. SLIGHT STRENGTHENING IS POSSIBLE TODAY...AND BONNIE COULD REGAIN TROPICAL STORM STRENGTH BEFORE REACHING THE NORTHERN GULF COAST.

THE LATEST MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE HURRICANE HUNTER AIRCRAFT IS 1013 MB...29.91 INCHES.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM FORCE WINDS MAINLY IN SQUALLS WILL LIKELY BEGIN ALONG PORTIONS OF THE NORTHERN GULF COAST WITHIN THE WARNING AREA LATE TODAY.

RAINFALL...BONNIE IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 1 TO 2 INCHES OVER PORTIONS OF SOUTHERN LOUISIANA...SOUTHERN ALABAMA...SOUTHERN MISSISSIPPI...AND THE FAR WESTERN FLORIDA PANHANDLE...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 3 INCHES.

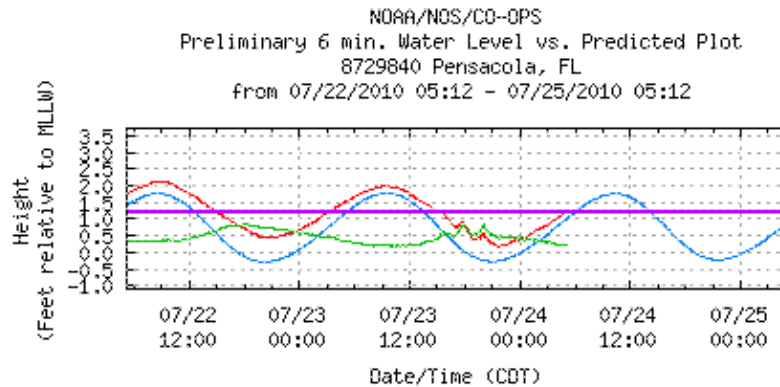
STORM SURGE...STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 1 TO 3 FEET ABOVE GROUND LEVEL ALONG THE IMMEDIATE COAST NEAR AND TO THE RIGHT OF WHERE THE CENTER MAKES LANDFALL ON THE NORTHERN GULF COAST.

FORECASTER BROWN/CANGIALOSI

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Pensacola - Water Level](#), [Pensacola - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Pascagoula NOAA Lab - Water Level](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Shell Beach - Air/Water Temp](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Pilots Station East, SW Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [Grand Isle - Air/Water Temp](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [St. Petersburg - Water Level](#), [Naples - Water Level](#),

Pensacola, FL - [Return to List](#)

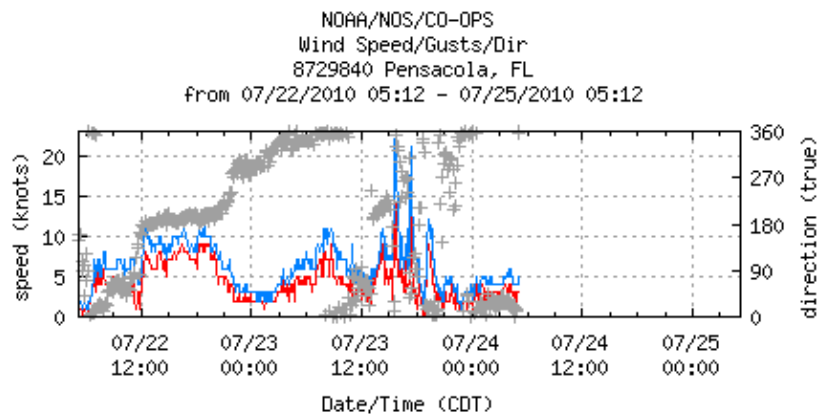


Last Observed Sample: 07/24/2010 05:06 (CDT)

Relative to **MLLW**: **Observed: 1.23 ft. Predicted: 1.01 ft. Residual: 0.22 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above **MHW**

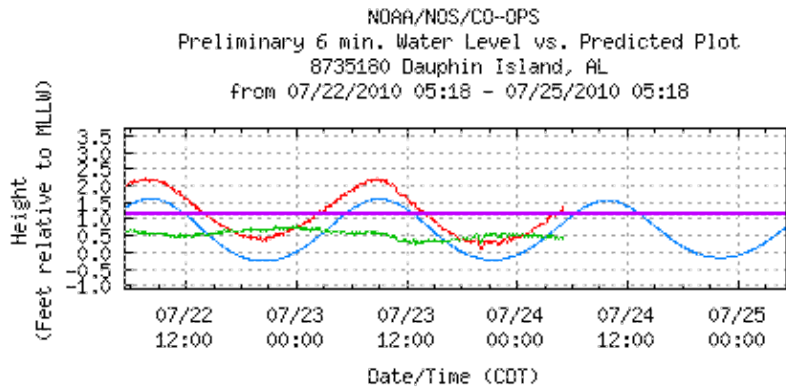
Pensacola, FL - [Return to List](#)



Last Observed Sample: 07/24/2010 05:06 (CDT)

Wind Speed: 3 knots Gusts: 5 knots Direction: 359° T

Dauphin Island, AL - [Return to List](#)



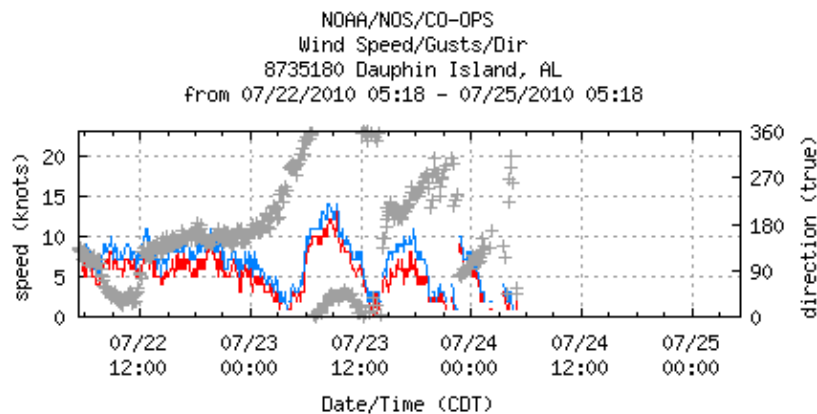
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 07/24/2010 05:00 (CDT)

Relative to **MLLW**: **Observed: 1.36 ft. Predicted: 0.88 ft. Residual: 0.48 ft.**

Historical Maximum Water Level: Sep 2 1985, 3.36 ft. above **MHHW**

Dauphin Island, AL - [Return to List](#)

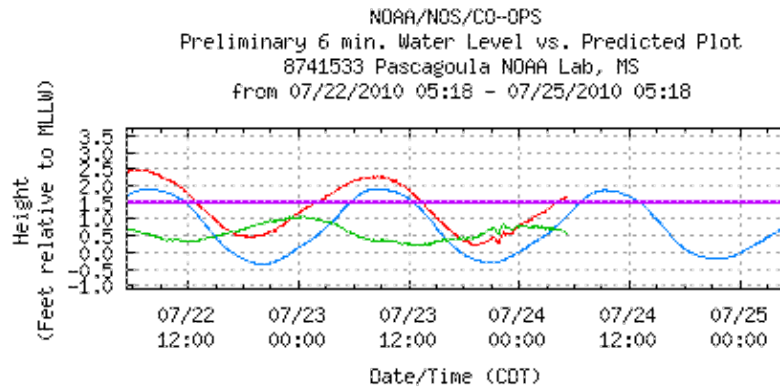


speed — gusts — direction +

Last Observed Sample: 07/24/2010 05:00 (CDT)

Wind Speed: 3 knots Gusts: 4 knots Direction: 057° T

Pascagoula NOAA Lab, MS - [Return to List](#)



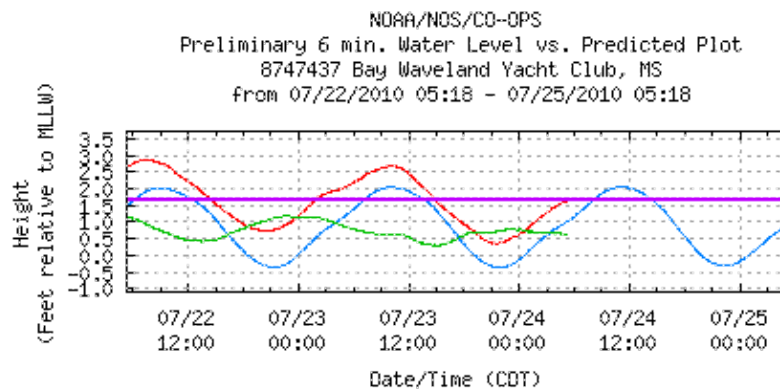
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 07/24/2010 05:06 (CDT)

Relative to **MLLW**: **Observed: 1.64 ft. Predicted: 1.06 ft. Residual: 0.58 ft.**

Historical Maximum Water Level: , 0 ft. above **MHHW**

Bay Waveland Yacht Club, MS - [Return to List](#)



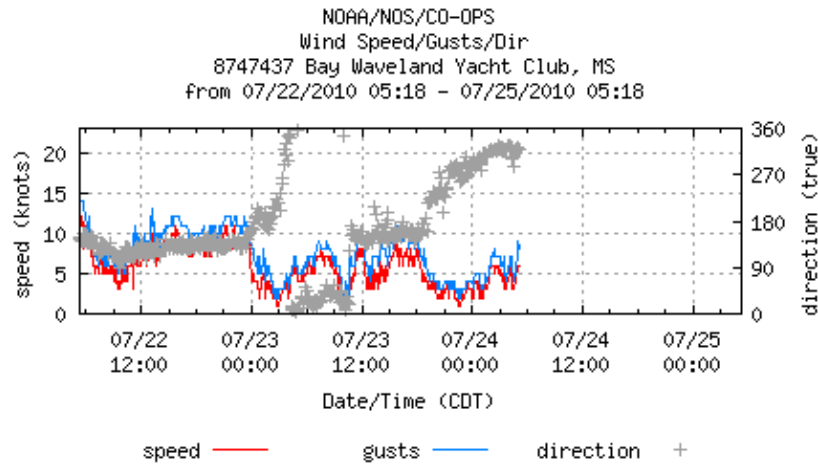
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 07/24/2010 05:06 (CDT)

Relative to **MLLW**: **Observed: 1.63 ft. Predicted: 1.00 ft. Residual: 0.63 ft.**

Historical Maximum Water Level: Oct 28 1985, 5.05 ft. above **MHHW**

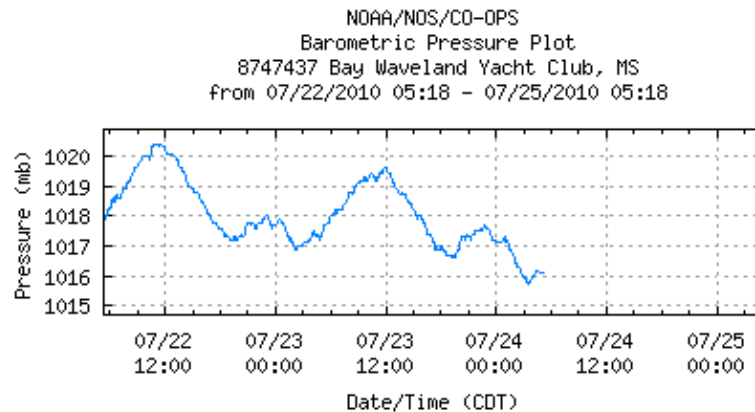
Bay Waveland Yacht Club, MS - [Return to List](#)



Last Observed Sample: 07/24/2010 05:06 (CDT)

Wind Speed: 6 knots Gusts: 8 knots Direction: 320° T

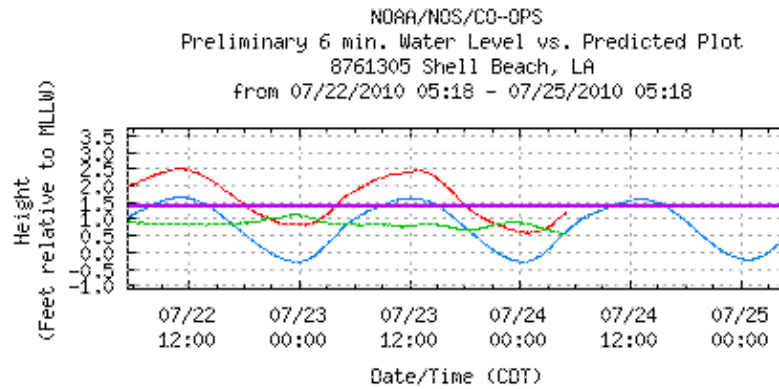
Bay Waveland Yacht Club, MS - [Return to List](#)



Last Observed Sample: 07/24/2010 05:06 (CDT)

Barometric Pressure: 1016.1 mb

Shell Beach, LA - [Return to List](#)

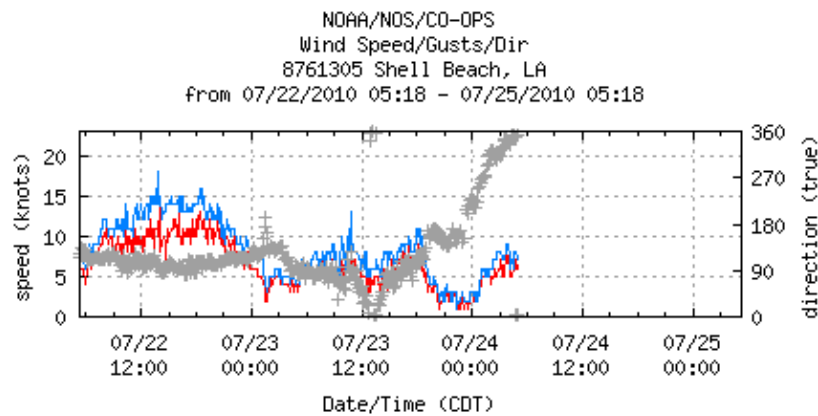


Last Observed Sample: 07/24/2010 05:00 (CDT)

Relative to **MLLW**: **Observed: 1.18 ft.** **Predicted: 0.62 ft.** **Residual: 0.56 ft.**

Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above **MHHW**

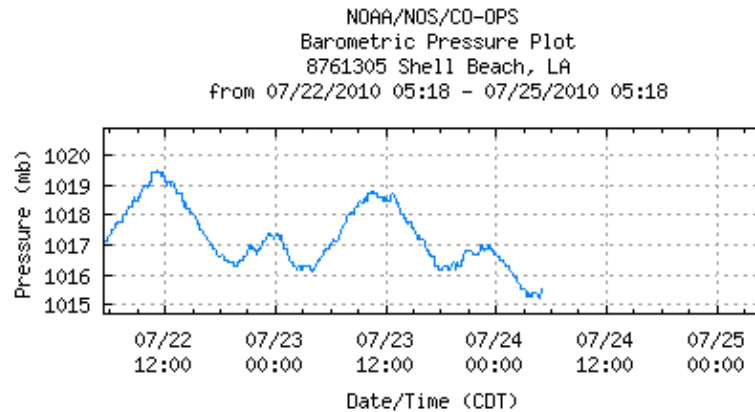
Shell Beach, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 05:00 (CDT)

Wind Speed: 6 knots **Gusts: 7 knots** **Direction: 354° T**

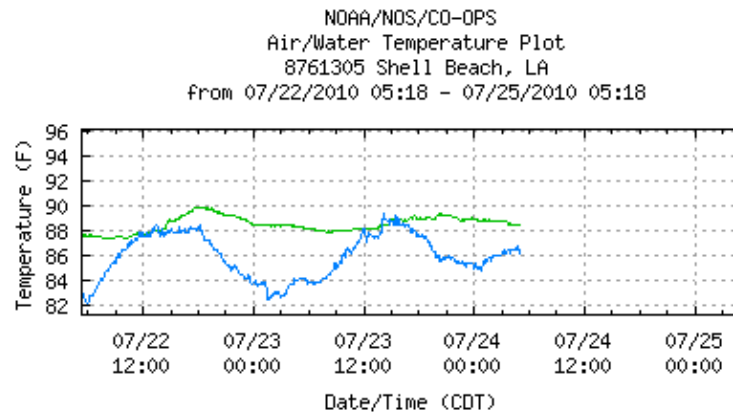
Shell Beach, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 05:00 (CDT)

Barometric Pressure: 1015.5 mb

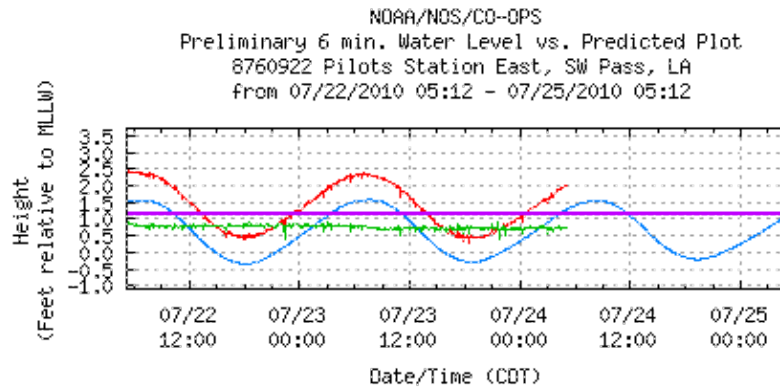
Shell Beach, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 05:00 (CDT)

Water Temperature: 88.5° F Air Temperature: 86.4° F

Pilots Station East, SW Pass, LA - [Return to List](#)



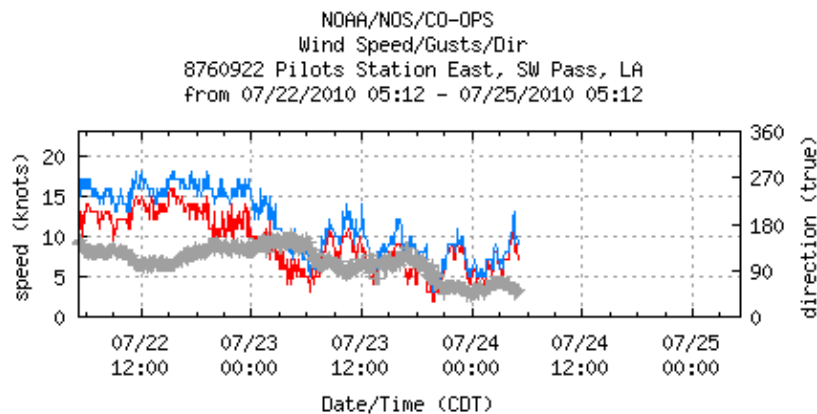
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 07/24/2010 05:00 (CDT)

Relative to **MLLW**: **Observed: 2.00 ft.** **Predicted: 1.28 ft.** **Residual: 0.72 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.24 ft. above **MHHW**

Pilots Station East, SW Pass, LA - [Return to List](#)

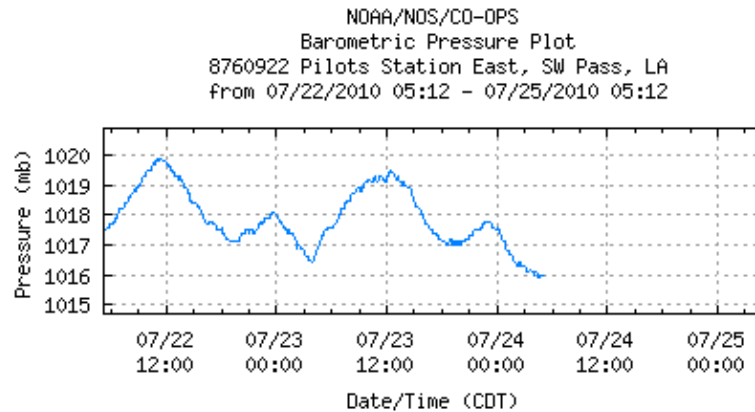


speed — gusts — direction +

Last Observed Sample: 07/24/2010 05:00 (CDT)

Wind Speed: 7 knots **Gusts: 9 knots** **Direction: 052° T**

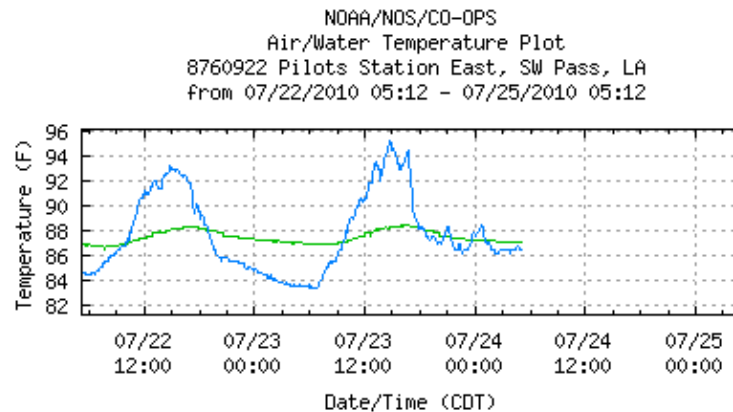
Pilots Station East, SW Pass, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 05:00 (CDT)

Barometric Pressure: 1016.0 mb

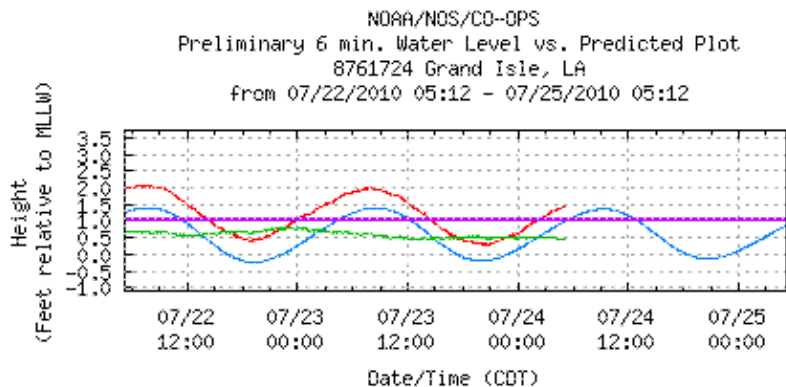
Pilots Station East, SW Pass, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 05:00 (CDT)

Water Temperature: 87.1° F Air Temperature: 86.5° F

Grand Isle, LA - [Return to List](#)

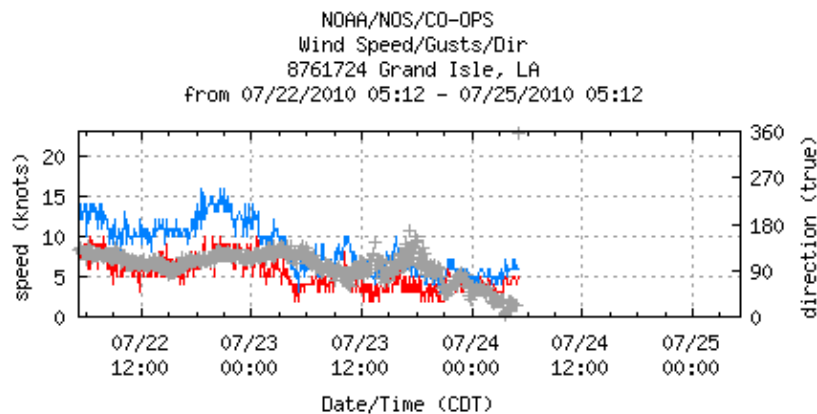


Last Observed Sample: 07/24/2010 05:00 (CDT)

Relative to **MLLW**: **Observed: 1.43 ft. Predicted: 0.98 ft. Residual: 0.45 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above **MHHW**

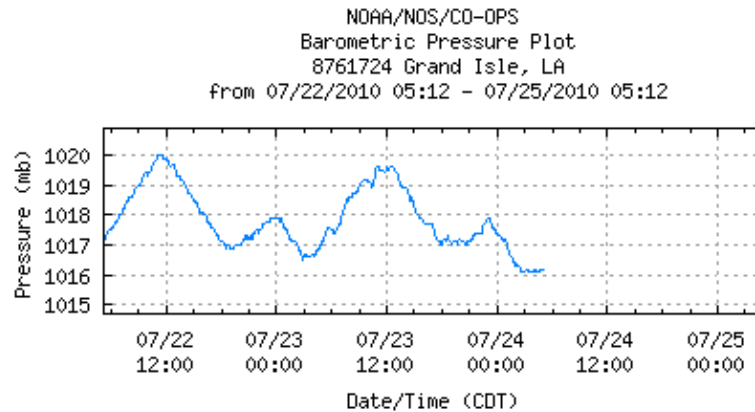
Grand Isle, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 05:00 (CDT)

Wind Speed: 5 knots Gusts: 6 knots Direction: 357° T

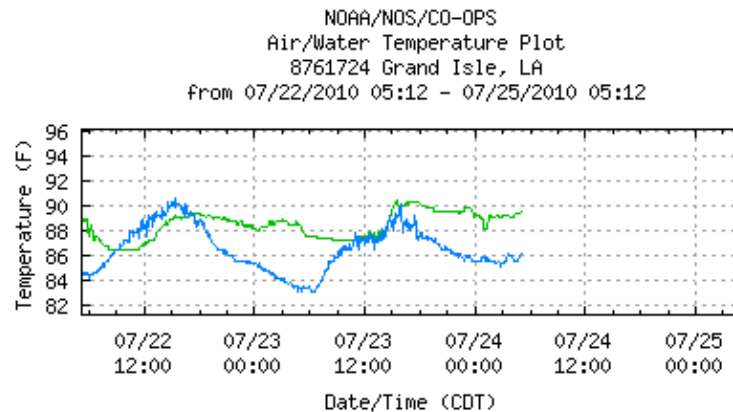
Grand Isle, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 05:00 (CDT)

Barometric Pressure: 1016.2 mb

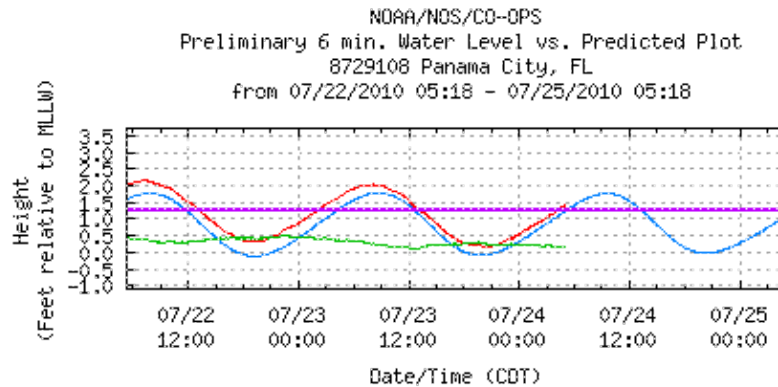
Grand Isle, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 05:00 (CDT)

Water Temperature: 89.6° F Air Temperature: 86.2° F

Panama City, FL - [Return to List](#)

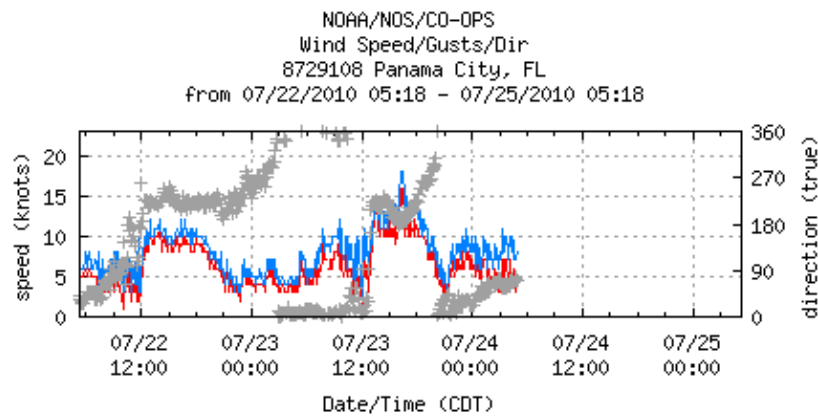


Last Observed Sample: 07/24/2010 05:00 (CDT)

Relative to **MLLW**: **Observed: 1.43 ft.** **Predicted: 1.24 ft.** **Residual: 0.19 ft.**

Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above **MHHW**

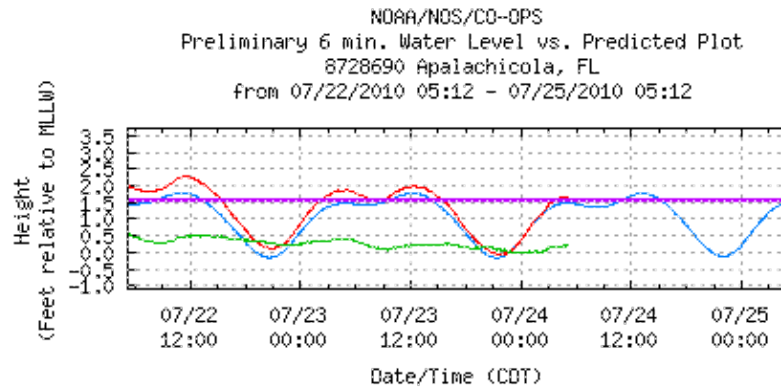
Panama City, FL - [Return to List](#)



Last Observed Sample: 07/24/2010 05:00 (CDT)

Wind Speed: 5 knots **Gusts: 8 knots** **Direction: 070° T**

Apalachicola, FL - [Return to List](#)

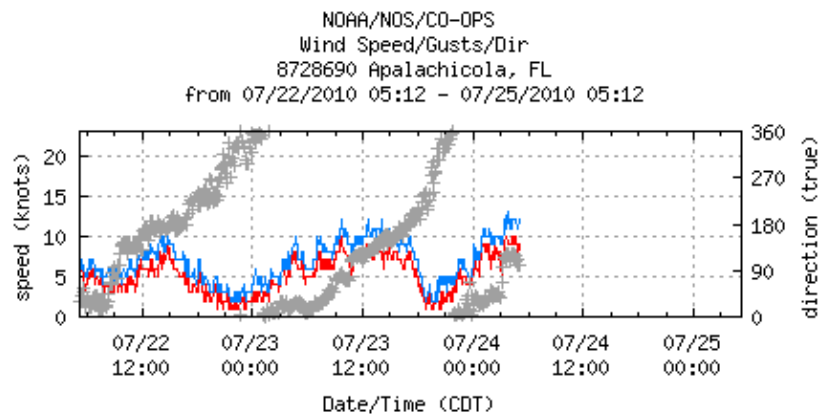


Last Observed Sample: 07/24/2010 05:00 (CDT)

Relative to **MLLW**: **Observed: 1.68 ft.** **Predicted: 1.48 ft.** **Residual: 0.20 ft.**

Historical Maximum Water Level: Nov 21 1985, 5.69 ft. above **MHHW**

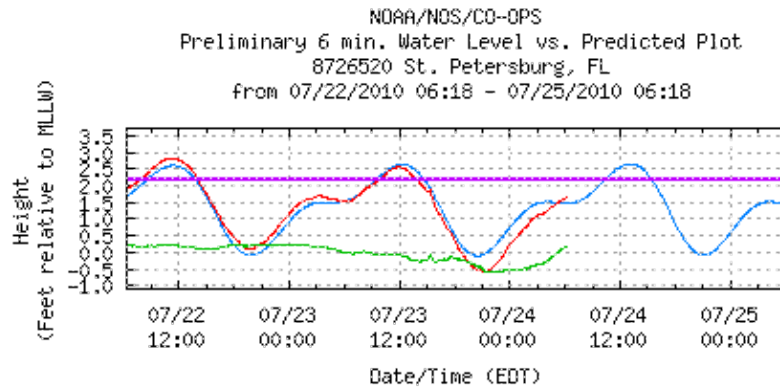
Apalachicola, FL - [Return to List](#)



Last Observed Sample: 07/24/2010 05:00 (CDT)

Wind Speed: 9 knots **Gusts: 12 knots** **Direction: 100° T**

St. Petersburg, FL - [Return to List](#)

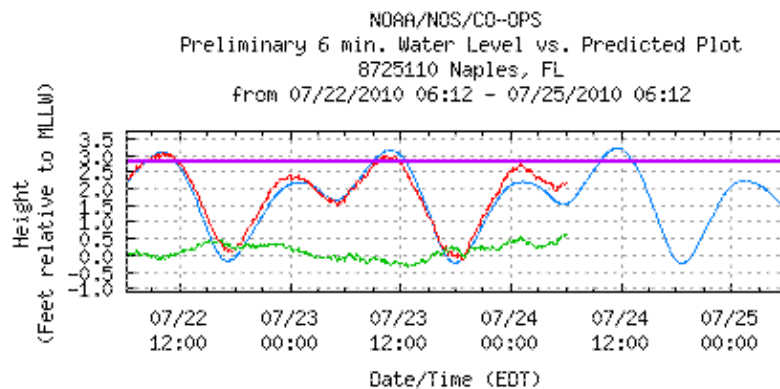


Last Observed Sample: 07/24/2010 06:06 (EDT)

Relative to **MLLW**: **Observed: 1.64 ft. Predicted: 1.47 ft. Residual: 0.17 ft.**

Historical Maximum Water Level: Aug 31 1985, 4 ft. above **MHHW**

Naples, FL - [Return to List](#)



Last Observed Sample: 07/24/2010 06:00 (EDT)

Relative to **MLLW**: **Observed: 2.18 ft. Predicted: 1.55 ft. Residual: 0.63 ft.**

Historical Maximum Water Level: Dec 21 1972, 3.11 ft. above **MHHW**

Tropical Depression BONNIE QuickLook, POSTED 05:00 CDT 07/24/2010

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce